

# RHE20 SI ER HPR

Technical data according to EN 410 and EN 673

4 mm single

4 / 16 / 4 mm double

Corrected emissivity of uncoated glass surface

0.837

Solar Energy Transmission, $\tau_e$	10 %	9 %
Solar Energy Reflection, $\rho_e$	62 %	62 %
Solar Energy Absorption, $a_e$	28 %	29 %

Visible Light Transmission, $\tau_v$	14 %	13 %
Visible Light Reflection (External), $\rho_{ve}$	65 %	65 %
Visible Light Reflection (Internal), $\rho_{vi}$	61 %	59 %

Ultraviolet Transmission, $\tau_{UV}$	< 0.1 %
Ultraviolet Rejection	> 99.9 %

g value	0.17	0.13
Shading Coefficient	0.19	0.14
Total Solar Energy Rejected	83 %	87 %
Glare Reduction	85 %	86 %

U value, single glazing (W/m <sup>2</sup> .K)	5.70	-
U value, double glazing, Air filled (W/m <sup>2</sup> .K)	-	2.70

Emissivity, $\epsilon_n$	0.87
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Thickness without liner	60 $\mu$
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Colour Rendering Index, $R_a$	84	82
Film Colour / Appearance	Silver	
Installation position	Exterior	
Warranty	7 years vertical / 5 years sloping (slopes 20 degrees or more from horizontal)**	

Installation Notes: Edge sealing required. Use Film On for installation.

\* Please check the complete Film to Glass Thermal Stress Compatibility Guidelines before film installation. \*\* Contact Solutia Performance Films for full details. All values for engineering parameters are determined by the manufacturer and independent testing laboratories.

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## Features & Benefits

- The optimal solution for buildings which have to deal with high solar heat gain and therefore high cooling costs
- Reflective solar control and privacy exterior grade film
- Special technology polymeric scratch resistant coating provides increased durability and easier cleaning – patent applied for
- Significant improvement of working conditions – high reduction in solar heat gain
- Reduction in air-conditioning costs and hence a reduction in energy costs with potential payback of less than 3 years.
- Potential to reduce CO2 emissions by tens of tonnes per year
- Daylight privacy – ‘one way’ mirror effect can be achieved under the correct lighting conditions
- Excellent glare reduction for reduced eyestrain and easier working with computer screens
- Excellent UV filtering integral to the polyester – helps to reduce fading of textiles, furniture, and works of art
- Extremely well adapted to single, double and double low-E insulating glazing systems
- Helios G + version available with a 10 year warranty (at a little higher price, vertical glazing, project registration required)
- Exterior installation (can also be used for internal installation)

## Spectra

